



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 6

Test Date: March 2008
Code: 12071523
SAU: MSAD 13
School: Quimby Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores	2
Summary of Student Participation	3
English Language Arts – Reading Results	4-6
Mathematics Results	7-9

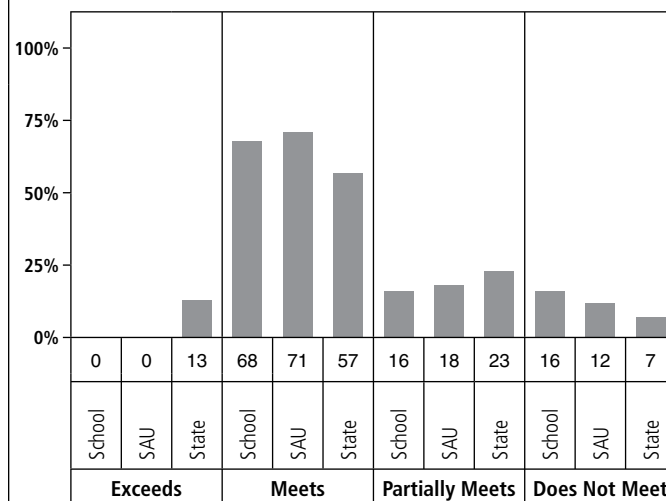
SUMMARY OF SCORES

Test Date: March 2008
Grade: 6
SAU: MSAD 13
School: Quimby Middle School

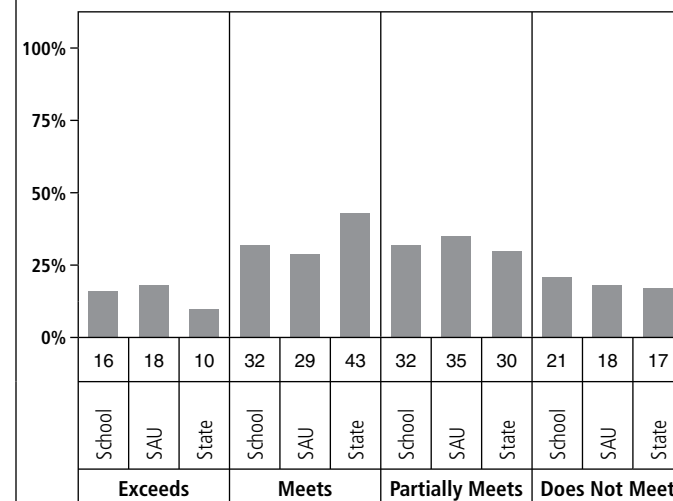
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	642	642	644
2006–2007	646	646	646
2007–2008	644	645	648
Cum. Avg. *	644	644	646
Mathematics			
2005–2006	637	637	641
2006–2007	634	634	643
2007–2008	641	642	642
Cum. Avg. *	637	638	642

ELA – READING



MATHEMATICS



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
 Grade: 6
 SAU: MSAD 13
 School: Quimby Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																							
							ELA-Reading						Mathematics																	
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	20	100	18	100	14365	100	19	95	17	94	14266	99	19	95	17	94	14268	99												
Ethnicity African American/Black	2	10	2	11	418	3	2	100	2	100	407	97	2	100	2	100	413	99												
American Indian or Native Alaskan	0	0	0	0	111	1	0	0	0	0	110	99	0	0	0	0	110	99												
Asian or Pacific Islander	0	0	0	0	249	2	0	0	0	0	249	100	0	0	0	0	248	100												
Hispanic	0	0	0	0	149	1	0	0	0	0	147	99	0	0	0	0	147	99												
Caucasian/White	18	90	16	89	13438	94	17	94	15	94	13353	100	17	94	15	94	13350	100												
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0												
Identified disability	4	20	3	17	2518	18	4	100	3	100	2479	99	4	100	3	100	2479	99												
Current LEP	0	0	0	0	349	2	0	0	0	0	339	97	0	0	0	0	344	99												
Economically disadvantaged	12	60	10	56	5335	37	11	92	9	90	5277	99	11	92	9	90	5279	99												
Migrant	0	0	0	0	7	0	0	0	0	0	7	100	0	0	0	0	7	100												

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics																	
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	16	80	15	83	11613	81	16	80	15	83	11626	81												
Identified disability (PET/IEP)	1	6	1	7	373	3	1	6	1	7	373	3												
LEP	0	0	0	0	187	2	0	0	0	0	187	2												
504 plan	0	0	0	0	149	1	0	0	0	0	150	1												
Participation with accommodations	3	15	2	11	2451	17	3	15	2	11	2446	17												
Identified disability (PET/IEP)	3	100	2	100	1909	78	3	100	2	100	1910	78												
LEP	0	0	0	0	142	6	0	0	0	0	152	6												
504 plan	0	0	0	0	85	3	0	0	0	0	84	3												
Other	0	0	0	0	350	14	0	0	0	0	335	14												
Participation through alternate assessment (PAAP)	0	0	0	0	197	1	0	0	0	0	196	1												
Identified disability (PET/IEP)	0	0	0	0	197	100	0	0	0	0	196	100												
LEP	0	0	0	0	5	3	0	0	0	0	5	3												
504 plan	0	0	0	0	0	0	0	0	0	0	0	0												
Approved non-participation in reading – 1st year LEP	0	0	0	0	5	0																		
Approved non-participation – special consideration	0	0	0	0	24	0	0	0	0	0	24	0												
Non-participation – other	1	5	1	6	75	1	1	5	1	6	73	1												

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2008
Grade: 6
SAU: MSAD 13
School: Quimby Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 661–680)	2005-2006	1	6	1	6	1176	8
	2006-2007	0	0	0	0	1132	8
	2007-2008	0	0	0	0	1817	13
	Cum. Total*	1	2	1	2	4125	10
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 641–660)	2005-2006	8	44	8	44	7612	51
	2006-2007	10	50	10	53	8127	57
	2007-2008	13	68	12	71	8072	57
	Cum. Total*	31	54	30	56	23811	55
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 629–640)	2005-2006	5	28	5	28	4080	27
	2006-2007	8	40	7	37	3549	25
	2007-2008	3	16	3	18	3194	23
	Cum. Total*	16	28	15	28	10823	25
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 600–628)	2005-2006	4	22	4	22	2005	13
	2006-2007	2	10	2	11	1478	10
	2007-2008	3	16	2	12	981	7
	Cum. Total*	9	16	8	15	4464	10

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	56	100	30.0	53.6	30.9	55.2	32.7	58.4
Literary Text	28	50	14.9	53.2	15.4	55.0	16.3	58.2
Informational Text	28	50	15.1	53.9	15.5	55.4	16.5	58.9

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 6
 SAU: MSAD 13
 School: Quimby Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	19	0	0	13	68	3	16	3	16	644	17	0	71	18	12	645	14064	13	57	23	7	648
Ethnicity																						
African American/Black	2										2						399	7	47	28	17	642
American Indian or Native Alaskan	0										0						108	4	54	32	10	643
Asian or Pacific Islander	0										0						247	16	60	20	4	650
Hispanic	0										0						145	8	45	34	14	643
Caucasian/White	17	0	0	11	65	3	18	3	18	643	15	0	67	20	13	645	13165	13	58	22	7	648
Not Reported	0										0						0					
Identified disability																						
Yes	4										3						2282	2	29	42	27	636
No	15	0	0	12	80	3	20	0	0	647	14	0	79	21	0	647	11782	15	63	19	3	650
Current LEP																						
Yes	0										0						329	4	44	30	22	640
No	19	0	0	13	68	3	16	3	16	644	17	0	71	18	12	645	13735	13	58	23	7	648
Economically disadvantaged																						
Yes	11	0	0	6	55	2	18	3	27	638	9	0	56	22	22	640	5153	6	51	31	12	643
No	8	0	0	7	88	1	13	0	0	651	8	0	88	13	0	651	8911	17	61	18	4	650
Migrant																						
Yes	0										0						7	14	57	14	14	648
No	19	0	0	13	68	3	16	3	16	644	17	0	71	18	12	645	14057	13	57	23	7	648
Gender																						
Female	5	0	0	5	100	0	0	0	0	650	5	0	100	0	0	650	6967	16	59	20	5	650
Male	14	0	0	8	57	3	21	3	21	641	12	0	58	25	17	643	7097	9	56	26	9	646
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	6	0	0	4	67	1	17	1	17	642	6	0	67	17	17	642	1186	6	41	42	11	642
No	13	0	0	9	69	2	15	2	15	644	11	0	73	18	9	647	12878	14	59	21	7	648
Gifted/talented program																						
Yes	0										0						557	50	48	2	0	661
No	19	0	0	13	68	3	16	3	16	644	17	0	71	18	12	645	13507	11	58	24	7	647

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 6
SAU: MSAD 13
School: Quimby Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	5 32 32 32	0 0 0 0	0 0 0 0	0 4 5 4	0 67 83 67	0 1 0 2	0 17 0 33	1 1 0 0	100 17 17 0	614 645 644 646	0 35 35 29	 0 0 0	 67 83 60	 17 0 40	 17 17 0	 645 644 646	6 56 34 3	7 13 15 9	43 58 60 46	30 23 20 29	20 6 5 16	641 648 649 643
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading? A. The questions on the test match what I have learned in reading class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	32 47 16 5	0 0 0 0	0 0 0 0	5 6 2 0	83 67 67 0	1 1 1 0	17 11 33 0	0 2 0 1	0 22 0 100	650 643 642 614	35 53 12 0	0 0 0 0	83 67 50	17 11 50	0 22 0	650 643 639	40 48 9 3	17 12 7 3	60 59 45 31	19 23 34 37	5 6 15 29	650 648 643 637
Which of the following best describes how you rate yourself as a student in reading? A. very good B. good C. fair D. poor	21 53 26 0	0 0 0	0 0 0	2 7 4	50 70 80	1 1 1	25 10 20	1 2 0	25 20 0	637 645 646	18 59 24 0	0 0 0	67 70 75	33 10 25	0 20 0	645 645 645	28 54 16 2	26 9 3 1	58 61 48 37	11 24 37 39	4 6 13 23	653 647 642 637
How difficult was the reading part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	5 68 26	0 0 0	0 0 0	0 10 3	0 77 60	0 1 2	0 8 40	1 2 0	100 15 0	614 646 644	0 76 24	 0 0	 77 50	 8 50	 15 0	646 643	15 66 18	10 13 15	48 59 58	27 22 20	15 5 7	644 649 649
How difficult were the reading passages on this test? A. Most of the passages were more difficult than what I normally read. B. Most of the passages were about the same as what I normally read. C. Most of the passages were easier than what I normally read.	5 68 26	0 0 0	0 0 0	0 9 4	0 69 80	0 2 1	0 15 20	1 2 0	100 15 0	614 644 648	0 76 24	 0 0	 69 75	 15 25	 15 0	644 649	9 54 36	2 9 21	37 59 60	37 26 15	23 6 4	638 647 652
How hard did you try on the reading part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	74 26 0	0 0	0 0	10 3	71 60	3 0	21 0	1 2	7 40	646 638	76 24 0	0 0	77 50	23 0	0 50	648 636	46 50 3	13 14 5	56 60 46	24 21 30	7 6 20	648 649 641
How much time do you spend reading at home each day? A. more than one hour B. 20 minutes to an hour C. less than 20 minutes D. I rarely read at home.	5 63 5 26	0 0 0 0	0 0 0 0	1 8 1 3	100 67 100 60	0 3 0 0	0 25 0 0	0 1 0 2	0 8 0 40	648 646 642 638	6 71 6 18	0 0 0 0	100 67 100 67	0 25 0	0 8 0 33	648 646 642 642	19 51 12 18	19 15 9 4	58 60 56 50	17 20 26 34	6 5 9 13	651 649 646 643
Optional school/SAU question A. B. C. D.	50 0 0 50	0 0	0 0	0 0	0 0	0 0	0 0	1 1	100 100	614 626	0 0 0 100	 0	 0 0 0	 0	 100	626	 626	 626	 626	 626	 626	 626

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 6
SAU: MSAD 13
School: Quimby Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 661–680)	2005-2006	0	0	0	0	1463	10
	2006-2007	1	5	1	5	2092	15
	2007-2008	3	16	3	18	1474	10
	Cum. Total*	4	7	4	7	5029	12
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 641–660)	2005-2006	6	33	6	33	5914	40
	2006-2007	5	25	5	26	5731	40
	2007-2008	6	32	5	29	6008	43
	Cum. Total*	17	30	16	30	17653	41
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 627–640)	2005-2006	8	44	8	44	4494	30
	2006-2007	5	25	4	21	4175	29
	2007-2008	6	32	6	35	4244	30
	Cum. Total*	19	33	18	33	12913	30
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 600–626)	2005-2006	4	22	4	22	3014	20
	2006-2007	9	45	9	47	2308	16
	2007-2008	4	21	3	18	2346	17
	Cum. Total*	17	30	16	30	7668	18

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	19	34	9.1	47.9	9.4	49.5	9.6	50.5
Cluster 2: Shape and Size	15	27	8.5	56.7	8.6	57.3	8.1	54.0
Cluster 3: Mathematical Decision Making	7	13	3.9	55.7	4.1	58.6	4.2	60.0
Cluster 4: Patterns	15	27	7.0	46.7	7.2	48.0	7.5	50.0

- Cluster 1: Numbers and Operations**
A. Numbers and Number Sense
B. Computation
I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
E. Geometry
F. Measurement
- Cluster 3: Mathematical Decision Making**
C. Data Analysis and Statistics
D. Probability
- Cluster 4: Patterns**
G. Patterns, Relations, and Functions
H. Algebra Concepts
K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 6
 SAU: MSAD 13
 School: Quimby Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	19	3	16	6	32	6	32	4	21	641	17	18	29	35	18	642	14072	10	43	30	17	642
Ethnicity																						
African American/Black	2										2						409	4	26	35	35	632
American Indian or Native Alaskan	0										0						108	6	26	39	29	635
Asian or Pacific Islander	0										0						247	13	50	25	13	646
Hispanic	0										0						145	9	32	34	25	638
Caucasian/White	17	3	18	5	29	5	29	4	24	641	15	20	27	33	20	642	13163	11	43	30	16	643
Not Reported	0										0						0					
Identified disability																						
Yes	4										3						2283	2	18	31	49	627
No	15	3	20	5	33	6	40	1	7	646	14	21	29	43	7	645	11789	12	48	30	10	645
Current LEP																						
Yes	0										0						339	5	22	32	41	631
No	19	3	16	6	32	6	32	4	21	641	17	18	29	35	18	642	13733	11	43	30	16	643
Economically disadvantaged																						
Yes	11	0	0	3	27	5	45	3	27	633	9	0	22	56	22	633	5160	4	34	36	26	636
No	8	3	38	3	38	1	13	1	13	652	8	38	38	13	13	652	8912	14	48	27	11	646
Migrant																						
Yes	0										0						7	0	57	43	0	641
No	19	3	16	6	32	6	32	4	21	641	17	18	29	35	18	642	14065	10	43	30	17	642
Gender																						
Female	5	1	20	3	60	1	20	0	0	651	5	20	60	20	0	651	6974	10	43	31	16	642
Male	14	2	14	3	21	5	36	4	29	637	12	17	17	42	25	638	7098	11	42	30	17	642
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	6	0	0	1	17	4	67	1	17	635	6	0	17	67	17	635	1192	4	23	43	30	634
No	13	3	23	5	38	2	15	3	23	644	11	27	36	18	18	646	12880	11	44	29	15	643
Gifted/talented program																						
Yes	0										0						557	53	42	4	0	663
No	19	3	16	6	32	6	32	4	21	641	17	18	29	35	18	642	13515	9	43	31	17	641

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 6
SAU: MSAD 13
School: Quimby Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	5 32 32 32	0 2 0 1	0 33 0 17	0 1 2 3	0 17 33 50	0 2 2 2	0 33 33 33	1 1 2 0	100 17 33 0	610 646 635 647	0 35 35 29	% 33 0 20	% 17 33 40	% 33 33 40	% 17 33 0	% 646 635 646	6 56 34 3	6 11 11 6	33 43 45 33	31 30 30 32	31 16 14 28	635 643 644 636
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics? A. The questions on the test match what I have learned in mathematics class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	32 37 32 0	2 1 0 0	33 14 0 0	3 1 2 2	50 14 33 0	0 43 3 50	0 29 17 1	1 2 17 1	17 29 17 17	650 639 635 635	35 35 29 0	33 17 0 0	50 17 20 20	0 50 60 60	17 17 20 20	650 643 632 632	45 43 9 3	14 8 6 5	47 43 30 15	28 33 33 25	11 17 32 54	646 641 635 626
Which of the following best describes how you rate yourself as a student in mathematics? A. very good B. good C. fair D. poor	26 42 26 5	1 2 0 0	20 25 0 0	2 1 3 0	40 13 60 0	1 3 1 1	20 38 20 100	1 2 1 0	20 25 20 0	642 640 642 634	29 41 24 6	20 29 0 0	40 14 50 0	20 43 25 100	20 14 25 0	642 644 641 634	29 48 19 3	24 6 1 0	51 45 29 15	17 33 42 41	8 16 28 44	651 641 634 627
How difficult was the mathematics part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	16 58 26	0 3 0	0 27 0	1 4 1	33 36 20	1 3 2	33 27 40	1 1 2	33 9 40	633 648 630	12 65 24	0 27 0	50 36 0	50 27 50	0 9 50	645 648 625	24 62 14	5 9 26	38 45 43	33 31 20	24 14 12	638 643 650
How hard did you try on the mathematics part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	82 18 0	3 0 0	21 0 0	5 1 1	36 33 33	4 1 33	29 33 33	2 1 33	14 33 33	645 634 634	88 13 0	21 0 0	36 0 0	29 50 50	14 50 50	645 626 626	48 49 3	10 12 9	41 45 33	32 28 27	17 15 32	642 644 637
How often do you use hands-on materials in mathematics class? A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	5 5 32 58	0 0 2 1	0 0 33 9	1 0 1 4	100 0 17 36	0 0 3 3	0 0 50 27	0 1 0 3	0 100 0 27	650 614 648 639	6 6 35 53	0 0 33 11	100 0 17 33	0 0 50 33	0 100 0 22	650 614 648 640	17 34 31 18	8 11 12 10	39 44 44 42	30 31 29 31	22 14 15 18	639 643 644 642
How often do you use calculators in mathematics class? A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	11 11 26 53	0 0 1 2	0 0 20 20	0 0 2 4	0 0 40 40	2 1 1 2	100 50 20 20	0 1 20 2	0 50 20 20	633 622 645 644	12 12 29 47	0 0 20 25	0 0 40 38	100 50 20 25	0 50 20 13	633 622 645 648	11 32 32 26	11 11 11 9	37 44 45 40	29 30 30 32	23 15 15 19	641 643 643 641
On average, how many minutes a day do you spend working on mathematics in class? A. less than 30 minutes B. 30–45 minutes C. 45–60 minutes D. more than 60 minutes	0 42 42 16	% 2 1 0	% 25 13 0	% 2 3 1	% 25 38 33	% 2 3 1	% 25 38 33	% 2 1 1	% 25 13 33	643 643 631	41 41 18	29 14 0	29 29 33	29 43 33	14 14 33	647 642 631	37 42 15	8 13 12	39 47 46	34 28 27	20 12 15	640 645 644
Optional school/SAU question A. B. C. D.	50 0 0 50	0 % % 0	0 % % 0	0 % % 0	0 % % 0	0 % % 0	0 % % 0	1 % % 1	100 % % 100	610 % % 614	0 % % 100	% 29 14 0	% 29 29 0	% 29 43 33	% 14 14 33	614	% 37 42 15	% 8 13 12	% 39 47 46	% 34 28 27	% 20 12 15	% 640 645 644